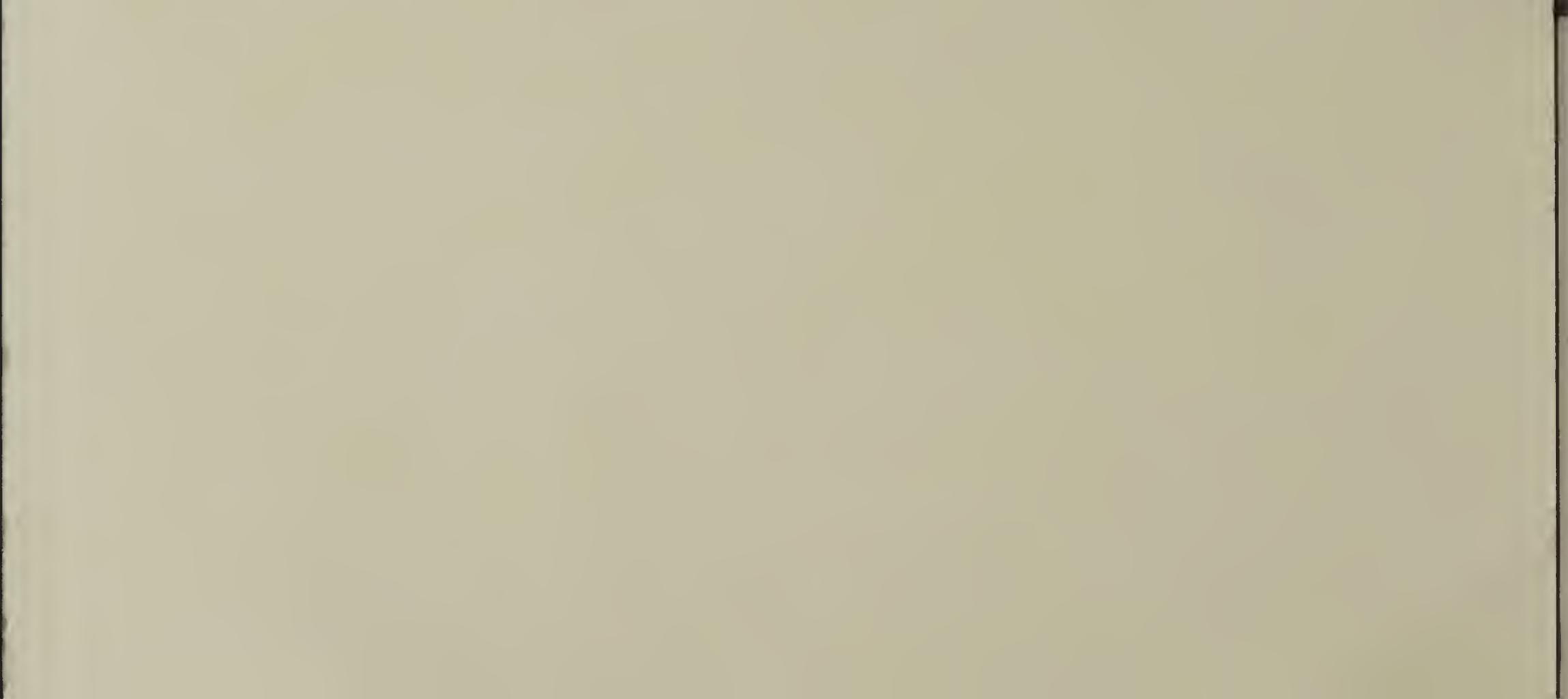


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Do not assume content reflects current scientific knowledge, policies, or practices.



OCEAN SPRAY in Summer Bloom - See Inside

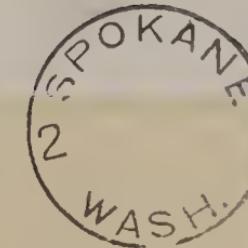


NATIVE GARDENS of
EASTERN WASHINGTON
Box 270 Spokane, Wash.

SPRING 1938

*Western
Rock Garden
Plants*

*Evergreen
and
Flowering
Shrubs*



U. S. DEPARTMENT OF AGRICULTURE,

WASHINGTON, D. C.

BUREAU OF PLANT INDUSTRY
Fruit and Vegetable Crops and Diseases
M. D. A.

O. P. O. 8-3591

NATIVE GARDENS of EASTERN WASHINGTON

(Between the Rocky Mountains and Cascades)
Box 270, Spokane, Washington.

Bulletin Number 3.

March 15, 1938

Second Year

ORNAMENTAL SHRUBS -- ROCK GARDEN PLANTS -- NATIVE PERENNIALS

HERE ARE THREE GROUPS OF THE CHOICEST shrubs and perennials of the Columbia Lava Plateau, tested and proved for easy growth, floral beauty and landscaping value. All are vigorous young plants, grown by us with few exceptions on dry upland, with unusually strong roots and stocky medium-height tops that are easy to establish with the simple starting care and conditions stated. They are inured to severe cold and to hot drouth, and are hardy throughout the U. S.

Ordering, packing, shipping: Shipments last year were safely made to Maine, Massachusetts, Pennsylvania, Virginia, Georgia, Texas, California and nearer states, arriving fresh and sound. Shipping time to New York or Boston is four to six days. Plants ordered airmail should reach you anywhere in the U. S. within ten days. Unless you name a special arrival date, after April 1 your shipment will leave Spokane by mail or express within a day or two days of receiving order, packed carefully in damp moss with oiled paper and heavy outer wrapper. List of labeled contents, planting instructions and report card go with each shipment. State or Federal inspection certificate assures freedom from disease and pests. Prices include delivery, no added shipping cost. Send proper amount by check or money order. No C.O.D. shipments.

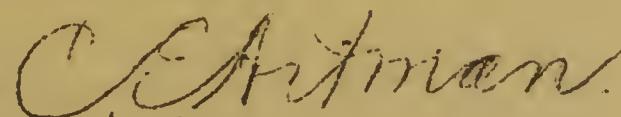
Planting and care: Early April is best in most states, first half of May is safe, later with special care in hot spells after new growth has started. Shading is helpful. Removal of half leaf surface by pruning aids root growth. Pack soil firmly but water lightly unless soil is well drained. Stir surface during summer. Light fall mulch is good. The secret of success is to have thrifty well-rooted plants kept moist until planted, and set in proper soil before growth starts. We have reserve stock for late orders, held back by cool northern exposure.

Soil requirements: Most of these native plants after starting thrive in ordinary soil without care. Many prefer light porous soil and full sunshine. A few need moist shade, and these welcome rotted leaves or peat to make the soil slightly acid. Heavy soil may be lightened with sand or humus. Most of these Western plants grow on poor porous ground that is dry much of the year. Avoid over-rich soil. Good drainage is most essential of all. Protect roots and crowns from excess moisture in cold wet weather.

Success depends on many factors which you can control. We will do our part by providing healthy well-rooted plants in sound condition. We are as eager for your success with these distinctive new plants as you are. May they richly reward your hopes and efforts.

NATIVE GARDENS
Box 270
Spokane, Wash.

Sincerely yours,



GROUP I. EVERGREEN SHRUBS

1 - Oregon Hollygrape (*Mahonia aquifolium*). Ordinary dry soil, shade or sun. Erect broad-leaved three-foot shrub, large holly leaves glossy green in summer, rich scarlet or bronze in winter. Showy yellow flowers in early spring, frosted grape-like fruit relished by birds in fall. Very handsome alone or among other shrubs. Described inside jacket, photo outside. Plant 2 to 3 ft. apart for quick cover. Fine two-year 12" plants. 60¢ each, 3 for \$1.50, ten for \$4.50.

2 - Creeping Hollygrape (*Mahonia repens*). Ordinary poor soil, shade or sun. Like *aquifolium* a native of eastern Washington, but a lower type with shorter dull bluish leaves, similar flowers and fruit, very tolerant of cold and neglect, hardy in northern New England. Spreading root-stems make compact leafy bed a foot high, vivid in winter color. Commended highly for exposed rocky areas. Fine two-year plants, 9" tops, same price as *aquifolium*.

3 - Western Bearberry, Kinni-kinnick (*Arctostaphylos uva-ursi*). Sandy or peaty soil, shade or sun. Forms expanding green carpet, red stems graced by dainty pink flowers, red berries. Beautiful drape for bank or rock-garden. Photo with story inside jacket. Set 2 to 3 ft. apart for quick cover. Large plants grow 6 to 12" first year. 50¢ each, 3 for \$1.25, ten for \$3.75.

4 - Mountain Myrtle (*Pachistima myrsinoides*). Moist soil, shade or sun. Fine low border or cover on slope. Graceful drooping two-foot evergreen, boxwood foliage year-round deep green, immune to scale or pests. Loves cool shade but thrives in sun, handsome in foreground. See story inside jacket. Set 1½ to 2 ft. apart for compact border. Full-rooted collected 12" plants, 60¢ each, 3 for \$1.50, ten for \$4.50. (Same for garden plants next fall)

5 - Shrub-pentstemon (*P. fruticosus*). Light well-drained soil, full sun. Ideal for sunny drives and slopes, rock-garden. This choice Spokane type combines graceful near-evergreen ground cover with striking floral display. A foot tall, branching freely, broad finely-serrate leaves, purple-blue blooms covering foliage in late spring. Set 2 ft. apart for quick cover. Limited number large 8" plants 50¢ ea. (4" plants next fall 25¢ each, 10 for \$2.00)

GROUP II. NATIVE FLOWERING SHRUBS

6 - Holodiscus, Ocean Spray (*Holodiscus discolor*). Dry soil, sun, lawn or border. Soft spirea-like arching foliage hidden in June with lacy clusters like showy white lilacs on swaying branches six to eight feet tall. Strikingly handsome all summer and fall. Very distinctive and lovely, hardly known in the East. See photo front cover, story inside. Easy vigorous grower. Fine branched two-foot plants. 65¢ each, 3 for \$1.75, ten for \$5.00.

7 - Western Mockorange (*Philadelphus lewisi*). Ordinary soil, sun or part shade. For lawn, border or refined 5 to 8 ft. screen. Shapely all year, beautiful in flower. Neat foliage hidden in late spring by fragrant dense white blooms, as large and fragrant as the sweet 'syringa' in Eastern dooryards. The full equal of cultivated types, and the State flower of Idaho. Limited number two-foot plants 60¢ each, 3 for \$1.50.

8 - Rose Spirea (*S. douglasii*). Ordinary soil, medium background and border. Neat light green foliage and showy rose-red pyramids through late summer. Rapid easy grower 5 ft. tall, gradually forms thick clump. Very handsome in low open spots. Story inside cover. Fine 18" plants 50¢, three for \$1.25, ten for \$3.75.

9 - Rocky Mountain Bush Cherry (*Prunus emarginata*). Any soil, lawn or hedge. Spreading 5 ft. bush for shade or sun, branches feathered midspring with white flower clusters, in fall with large purple cherries fine for song-birds. Attractive foliage red in autumn. For border set 5 ft. apart. Fine stock sturdy 2 ft. plants 50¢ each, 3 for \$1.25, ten for \$3.75.

10 - Western Snowberry (*Symphoricarpos racemosus*). Any soil, sun or shade. For border or underplanting. Slender spreading 3 ft. branches, neat oval leaves, small pinkish flowers, showy clusters waxy white berries very decorative through fall and with Christmas greens, good winter birdfood. Fruits young, grows easily anywhere. Branched 12" plants 40¢, 3 for \$1.00, 10 for \$3.00.

11 - Sweet Elder (*Sambucus canadensis*). Moist soil, tall background or low spots. This large-caned clump-forming 6 ft. shrub makes fine open screen or low shade, with coarse foliage, fragrant flat white flower-heads in early summer and juicy black berries relished by birds and man. Effective in large mass, handsome in bloom. Strong 2 ft. plants 50¢, 3 for \$1.25, 10 for \$3.50.

12 - Western Blue Elder (*Sambucus coerulea*). Moist soil, for tall coarse screen. A larger type 10 to 12 ft. tall, very large flower-heads, berries blue-white with heavy bloom, very showy in fall, fine for bird food. Handsome in large open spaces. (Strong two-foot plants next fall 50¢ each.)

13 - Red-osier Dogwood (*Cornus stolonifera*). Sun or part shade, medium border. Several virtues unite in this neat 6 ft. shrub - bright red winter bark, smooth handsome foliage brilliant red in fall, creamy flower-clusters in June, showy fruit-globes - jade, blue and ivory in autumn, attract songbirds. In rich moist soil forms compact clump. We have also a golden-bark type for winter contrast. Strong 18" plants 40¢, 3 for \$1.00, 10 for \$3.00.

14 - Western Ninebark (*Physocarpus capitatus*). Sun or shade, border or screen. Spreading or arching 5 ft. branches, compact lobed foliage, handsome white flower-heads in June, red leaves in fall. Excellent medium background or cover. Rapid well-behaved grower in any soil. Strong 18" plants 40¢, 3 for \$1.00, 10 for \$3.00.

15 - Red-fruited Snake River Sumac (*Rhus glabra*). Fine cover for barren slopes. Admired for tropical effect of long compound leaves, flame red in fall, long scarlet fruit-spikes through winter. Grows quickly 3 to 8 ft. on sunny banks in driest stony soil where little else will grow at all. Good open background for other plants. Set 4 ft. apart for quick cover. Strong 18" plants 40¢, 3 for \$1.00, 10 for \$3.00.

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16 - Coral Honeysuckle (*Lonicera ciliosa*). Handsome drape, sun or shade. Coral-red blossoms in May and orange fruits later make striking color amid smooth grayish leaves on twining stems that grow 3 to 10 ft. in a season. Prefers rich moist soil. Fine cover for fence or rocks. Limited number large plants 50¢ each.

17 - Early Blue Clematis (*C. columbiana*). Half-woody climber, moist rich soil. Large showy 4-petaled blue-purple flowers in early May make surprising color among tree branches or shrubs. Climbs to 15 ft., held by twining triple-cleft leaves. Prefers part shade. A few large plants 50¢. (Young plants next fall 35¢ each, 3 for \$1.00)

18 - Native Eastern vines. For rugged ornamental cover on fences, walls, and trees, sun or shade. Strong 2-year plants 35¢ each, 3 for \$1.00, 10 for \$3.00.

A. Bittersweet (*Celastrus scandens*). Stout twining woody stems bearing bright orange-red berries (on female plants) showy through winter, favorite for decorations. Easy vigorous grower, any soil.

B. Wild Grapevine (*Vitis vulpina*). Refined bright-green cut foliage, very fragrant June flowers, small frosted blue-black grapes for birds in fall. The eastern wild grape is splendid to cover old fences. Easy fast grower in moist soil.

GROUP III. NATIVE PERENNIALS. For ROCK-GARDEN and SUMMER FLOWERS.

LEWISIAS are among the choicest low plants for Rock-Gardens, with handsome rosettes of fleshy green leaves on thick starchy roots, bearing abundance of satiny delicately-tinted flowers in midspring. Fully hardy, they demand gritty open soil with perfect drainage, light mulch in winter. REDIVIVA and TWEEDYI are two of the most satisfactory species.

1 - Bitterroot (*Lewisia rediviva*). State Flower of Montana. Our type from Columbia Basin has rose-pink cactus-like 2" blossoms sitting on crown two to three weeks in May. Handsome green needle-crown through fall and early spring vanishes in summer. Plant early in full sun, crown even with surface, 3" apart for lovely display.
Strong roots 6 for \$1.00, 25 for \$3.00.

2 - Lewisia tweedyi, called one of finest rock-garden plants in the world, bears many short-stemmed showy 3" salmon-pink blossoms above a 6" rosette of fleshy evergreen leaves, lasting two to four weeks just after Bitterroot ends its bloom. This exquisite plant is native to a single small area in Washington. Set large roots a foot apart, ridged with fine stone or gravel to protect crown from winter moisture. Care brings rich reward. Strong garden plants from native source: large \$1.00 ea., 3 for \$2.50. Medium size roots 75¢ ea., 3 for \$2.00, 10 for \$6.

3 - Fame Flower (*Talinum spinescens*). Near kin of Lewisias, with airy red stems bearing bright pink half-inch 5-petal flowers with yellow stamens in dainty but showy racemes a foot high. Long succession of opening buds gives delightful color from July through summer. One plant had more than 100 flowers and 15" spread last year. Large rosette of plump green needle-leaves is attractive all summer. This with continuous late flowering makes it a choice rock-garden subject for general planting. Proved in New England. Easy in well-drained soil. Set in full sun a foot apart. Strong native roots 40¢ ea., 3 for \$1.00, 10 for \$2.50.

4 - Physaria geyeri. Fine for early color accent in rock-garden or sunny bank. Yellow racemes make a bright circle of gold in early spring, showy for several weeks about a handsome whitish 4" rosette of spoon-shaped leaves. Neat crown is attractive all summer. Native only in Spokane Valley. Set in fullest sun on dry sandy soil. Sturdy plants ready to bloom 30¢ each, 5 for \$1.00, 10 for \$1.50.

5 - Synthyris reniformis. Very choice plant from Clearwater region in Idaho. Vivid blue-purple early spikes to 6" show amid crown of shiny scalloped kidney-shaped evergreen leaves on 4 to 8" stems. Ornamental all year, and lovely in bloom. Easy in cool shade, peaty soil.
Strong garden-grown plants ready to bloom 40¢ each, 3 for \$1.00, ten for \$3.00.

6 - Earliest Lupine (*L. piperi*). This small native is fine for rock-garden or any garden. Erect deep blue spikes make striking early color amid silver-gray foliage less than 8" tall a good month before larger lupines, blooming in early May. Silky down covers entire plant, showy all summer. Long taproot requires deep porous soil, perfect drainage, full sun.
Large well-rooted crowns ready to bloom 40¢ each, 3 for \$1.00, ten for \$3.00.

7 - Western Twinflower (*Linnaea borealis*). Dainty trailer with small glossy evergreen leaves in pairs on slender stems rooting at joints to form handsome delicate green carpet on rich peaty or acid soil in cool shade. Nodding fragrant bell-shaped pink flowers in pairs on slender stems in late spring. A favorite woods plant, not difficult with right conditions.
Collected clumps of rooted stems 50¢ each, 3 for \$1.25, ten for \$3.50.

8 - Western Beargrass (*Xerophyllum tenax*). Pine Lily. Fine for accent in cool shaded peaty or acid soil. Long stiff grass-like leaves in grayish tufts from woody rootstock. Mature plants send up stalks 3 to 5 ft, bearing long heads of fragrant white blooms in late summer. A memorable sight on mountain slopes.
Collected young plants 40¢ each, 3 for \$1.00, ten for \$3.00.

PENTSTEMONS. Some of the choicest of this fine flowering tribe grow wild in eastern Washington. We commend three types for their special merits: a near-evergreen shrub for ground cover and blue flower-masses in late spring, a drooping late-summer red-flowered type for rock-drapery, and the superb Glaber pentstemon for tall garden display and cut flowers throughout the summer. All are native to dry sandy slopes with sunny southern exposure. They are recommended for planting in poor light sandy soil in full sun, although fairly heavy well-drained soil with light watering has given good results. They must have good drainage and protection from excess moisture in cold wet weather.

53 - Pentstemon fruticosus, described in Group I as a near-evergreen ground cover, is admirable in rock-garden or flower garden. Its blue-purple flowers make striking masses of color in late spring and early summer.

9 - Richardson pentstemon. Very effective when draped over rocks or hanging from crevices. Graceful ascending two-foot stems with handsome notched gray-green foliage, showy rose-red funnel-form flowers continuing through late summer. Thrives in part shade and fairly moist soil. Two-year plants, limited number 50¢ each, 3 for \$1.25. (One-year plants next fall 25¢, 5 for \$1.00.)

10 - Glaber pentstemon. Regarded by experts the choicest of the tall pentstemons. Large open-mouth flowers clear heaven-blue, sometimes lilac, covering erect two-foot spikes make glorious garden display, and long-lasting cut flowers. Many consider its bright summer blue the finest of any flower-color. Has smooth oval leaves, bears succession of showy spikes from June to fall. Vigorous easy grower in full sun. Protect crown from winter moisture.

Fine large plants, will bloom all summer: 35¢ each, 3 for \$1.00, ten for \$2.50.

11 - Large Lady-slipper (*Cypripedium montanum*). A rare wild orchid of the Western mountains, bearing showy large purple-veined white mocassin flowers with long brown sepals on erect leafy 18" stems. Not difficult in proper soil. Thick fibrous roots require good drainage and shaded peaty soil with mulch of leaves. Flowers in June last 2 to 4 weeks. Large crowns 60¢, 3 for \$1.50.

EARLY-BLOOMING NATIVE PERENNIALS FOR NEXT YEAR'S GARDEN
Full-size bulbs and roots - will bloom next spring.

(Order now at special prices for dormant shipment and planting next fall)

Glacier-Lily (<i>Erythronium grandiflorum</i>)	6 bulbs	\$1.00
Avalanche-Lily (<i>Erythronium idahoense</i>)	6 "	1.00
'Grass Widow' (<i>Sisyrinchium inflatum</i>)	10 roots	1.00
March Buttercup (<i>Ranunculus glaberrimus</i>)	8 plants	1.00
Yellowbell (<i>Fritillaria pudica</i>)	6 bulbs	1.00
Low Bluebell (<i>Mertensia pulchella</i>)	6 roots	1.00
Shooting Star (<i>Dodecatheon jeffreyi</i>)	6 "	1.00
Fragrant Two-tone Coulee Violet (<i>V. trinervata</i>)	4 "	1.00
Blue Camas (<i>Camassia quamash</i>)	12 bulbs	1.00
Wild Hyacinth (<i>Brodiaea douglasii</i>)	6 "	1.00
Mariposa Lily (<i>Calochortus nitidus</i>)	6 "	1.00

Culture and description in September Bulletin.

MOUNTAIN MYRTLE (*Pachistima myrsinoides*) is an upright bushy two-foot evergreen with small oval leaves feathering slender branches much used in the West for florists' greens. With pruning it forms a dense boxwood-like top, but is not attacked by scale or other pests. Its deep-green foliage is untouched by summer heat or sub-zero cold. Thriving in any soil, beneath trees or in full sun, this cheerful truly hardy evergreen of the Northwest is highly recommended for shady bank, foreground border, or in the rock garden. Such a versatile low shrub merits wide planting in the East, where it is almost unknown.

We have finely-rooted two-year cultivated clumps 8 inches tall; a few 12-inch specimens for quick foliage.



OREGON GRAPE (*Mahonia aquifolium*). This handsome heavy-leaved three-foot evergreen, termed by authorities "*the most beautiful Western shrub*" has triple merits of showy flowers and fruit and distinctive year-round foliage. Large spiny compound leaves glossy green through summer, turning to rich bronze and scarlet hues through fall and winter, make it aptly called Northern Holly. Bright yellow flowers in early spring are followed by clusters of frosted dark-blue grape-like berries. Glorious in its deep-colored winter dress, it brings welcome cheer to an otherwise sober landscape. At home in the shade, it thrives in sunny spots and among taller shrubs, making a pleasing accent with other evergreens. It is fine for massing or single specimen. It is hardy through severe western winters. A single wild roadside plant is shown on cover.

For very exposed places we recommend a lower-growing type *Mahonia repens*, with less glossy bluish-green leaves that take on brilliant coloring but are very seldom scorched by winter sun. Spreading freely by underground shoots, this makes an excellent compact ground cover beneath trees.

We have a fair supply of each type, sturdy well-rooted two-year cultivated plants 10 to 12 inches tall, that should thrive in any well-drained soil. State your preference, or let us be guided by climate.

KINNI-KINNICK (Bearberry) is a trailing evergreen only a few inches high with small bright green leathery leaves, fine beneath trees and shrubs or draped over sandy banks and rocks. From the central root it forms an ever-widening green carpet inlaid in early spring with waxy pink flowers and in winter with bright red berries. Once established it thrives in both shade and sun, and makes a fine rock garden plant. Its common use is limited by lack of young plants and a mistaken notion that it needs acid soil. Tapestries 20 feet across thrive in neutral or alkaline soil in the west. With us young plants do well in open ordinary soil. Roadside specimen is shown below.

Our sturdy two-year cultivated plants with 6 to 12 inch runners are easily replanted and grow vigorously.



REMEMBER: Broad leafed evergreens grow slowly, but their spread and beauty increase for many years. Expect little top growth till roots are well established. The earlier you plant, the better the growth.

Shipments are safely made anywhere in the United States by mail or express. Personal attention assures careful selection and packing. Packed in damp moss, plants arrive sound and fresh for replanting. Instructions for planting accompany each shipment. Orders are filled at once—unless special date is requested. Healthy plants free from disease and pests are assured by State and U. S. Inspection.

OCEAN SPRAY (*Holodiscus discolor*). One of the Northwest's most beautiful natives, this large free-flowering shrub with branches arching to 8 feet is clad with soft green leaves hidden in June by drooping feathery panicles of creamy white flowers that are a delight to any flower lover. Gradually turning to a pleasing tan color, the plumes remain attractive through fall and winter. It is very effective in the tall border or as a single lawn specimen. A robust rapid grower, it seems happy in any well-drained soil where it can reach the sunlight. Garden bloom appears on front cover. This Northwestern shrub will delight Eastern gardeners.

We have a limited supply of well-rooted cultivated two-foot plants, easily replanted; should bloom next year, maybe this.



ROSE SPIREA (*S. Douglasii*). A very handsome shrub for the background, this Western spirea with luxuriant light-green leaves on red-brown branches is valuable for foliage as well as flowers. Deep rose blooms borne on the new growth in upright pyramidal spikes 4 to 8 inches long relieve the midsummer lack of color with abundant masses that when pruned persist till frost. In moist spots it forms compact clumps five feet tall; in dry soil it thrives surprisingly as a lower free-blooming shrub. Spreading by basal shoots that are easily controlled, many strong roots make it thrive in almost any soil or location. This fine spirea appears best in rugged portions of the garden or in large borders.

Our supply of two-foot garden-grown plants will grow rapidly, should bloom the first season.



Other Fine Western Natives — several of them—are now growing for future planting.

Prices on enclosed order form include delivery. Simply check the group you want and mail with proper remittance.

C. E. ARTMAN

NATIVE GARDENS
OF EASTERN WASHINGTON
Between the
ROCKY MOUNTAINS & CASCADES

Box 270, SPOKANE

Something Distinctive for Your Garden, Park or Estate

Between the Rockies and Pacific Coast grow many beautiful native shrubs, where mingling of species of Coast and Interior has produced types inured to hot dry summers and severe winters. Some of the finest ornamentals in the United States grow wild in this region.

Wider use of *Broad Leafed Evergreens* is limited by lack of truly hardy types and difficulty in establishing plants. Our special culture of *Western Natives* removes these limits. Taken from wild beds while dormant and given extended dry-garden culture, young plants grow vigorous roots and sturdy tops. This slow method fits them for shipment and replanting under hard conditions where tender plants will not grow, and where moist-climate types like rhododendron dry up or winter-kill.

It has taken three years to prove *this new venture* sound and practical. Now you may confidently plant these fine ornamentals for a trifle of our expense. Our plants have medium size tops with fine roots. Larger tops are hard to establish, but they come quickly from vigorous roots. Though unable to guarantee growth, *we do assure sturdy well-rooted plants* that should thrive with common garden care. Our deliberately slow method limits the present available stock. Other native western shrubs and trees are now under propagation for the future.

These five thornless ornamentals harmonize with one another, and blend with other shrubs and evergreens. The graceful green Mountain Myrtle sets off the rugged foliage of Oregon Grape, while a perpetual carpet of Kinni-kinnick rounds out the evergreen picture. In summer dress of luxuriant green, cream-white plumes of Ocean Spray and rose-colored spikes of Spirea give the taller landscape distinctive bloom and beauty from June till frost. All these shrubs thrive in shade and sunlight, and none is exacting as to soil, location or care. Many a modest garden and large estate may be brightened and beautified by these hardy western natives.



Oregon Grape in December

Introducing to You....

SPECIALLY-ROOTED YOUNG PLANTS
of
Hardy Western
Broad Leafed Evergreens
and
Native Flowering Shrubs

for

YEAR-ROUND LANDSCAPING



First Season

Spring, 1937

